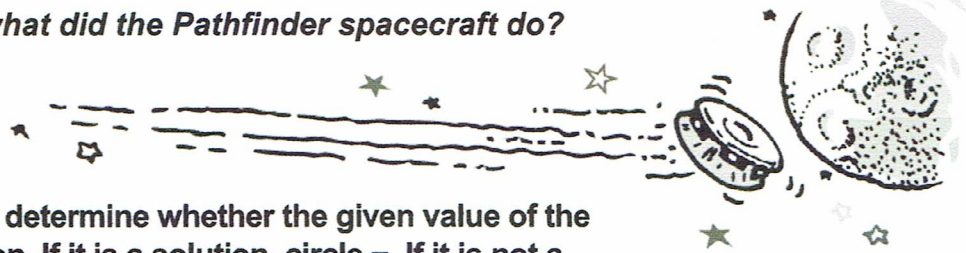


LESSON
4

Introduction to Algebra

Puzzles, Twisters & Teasers: Space Fact

On July 4, 1997, what did the Pathfinder spacecraft do?



For each equation, determine whether the given value of the variable is a solution. If it is a solution, circle =. If it is not a solution, circle ≠. Put the letter above the correct answer on the line. When you are done, read down your answers to see the answer to the question.

- | | | | |
|------------------------------------|----------|----------|-------|
| 1. $117 = 97 + n$ for $n = 10$ | A | I | _____ |
| | = | ≠ | |
| 2. $96 \div x = 8$ for $x = 12$ | T | S | _____ |
| | = | ≠ | |
| 3. $132 \div m = 12$ for $m = 12$ | K | L | _____ |
| | = | ≠ | |
| 4. $k + 18 = 63$ for $k = 44$ | E | A | _____ |
| | = | ≠ | |
| 5. $35 \div s = 7$ for $s = 5$ | N | M | _____ |
| | = | ≠ | |
| 6. $44 = t - 55$ for $t = 88$ | J | D | _____ |
| | = | ≠ | |
| 7. $a - 6 = 36$ for $a = 42$ | E | A | _____ |
| | = | ≠ | |
| 8. $u \cdot 7 = 72$ for $u = 8$ | P | D | _____ |
| | = | ≠ | |
| 9. $b + 21 = 28$ for $b = 8$ | I | O | _____ |
| | = | ≠ | |
| 10. $92 - 28 = 8y$ for $y = 8$ | N | F | _____ |
| | = | ≠ | |
| 11. $6x = 54$ for $x = 9$ | M | P | _____ |
| | = | ≠ | |
| 12. $149 = 79 + 2y$ for $y = 35$ | A | E | _____ |
| | = | ≠ | |
| 13. $17w - 50 = 0$ for $w = 3$ | T | R | _____ |
| | = | ≠ | |
| 14. $25g = 25,000$ for $g = 1,000$ | S | H | _____ |
| | = | ≠ | |